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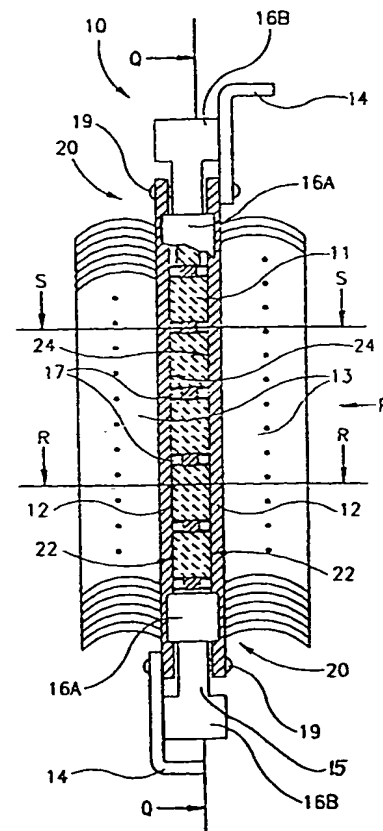
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(54) Title: ADHESIVE COMPOSITION FOR ELECTRICAL PTC HEATING DEVICE

## (57) Abstract

The invention relates to an electrically and thermally conductive adhesive composition for cementing together at least one metallized (e.g. aluminized or silvered) surface of a positive temperature coefficient (PTC) element to at least one metallic (e.g. aluminum) electrode, in the manufacture of PTC thermistor devices which are potentially capable of operating in a working temperature range not less than  $-55^{\circ}\text{C}$  to  $+300^{\circ}\text{C}$ , and for at least 30,000 hours. The composition comprises, as the adhesive component, a curable silicone (e.g. silicone rubber) prepolymer, as well as finely divided silicon carbide and finely-divided silicon, and preferably also a finely-divided metallic powder.



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